Title: APPARATUS FOR PROVIDING DATA

DEPENDENT DETECTION IN A DATA READ CHANNEL

Applicants: Cideciyan, et al. Docket: HSJ920030151US1/HITG.047PA

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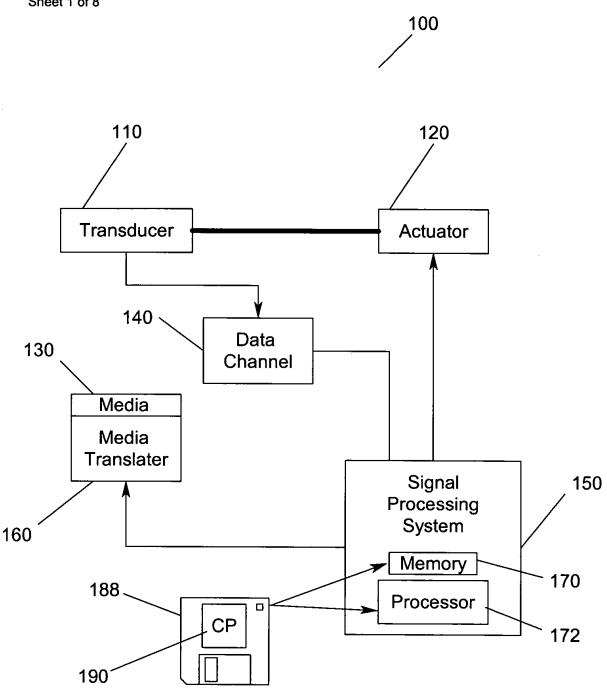


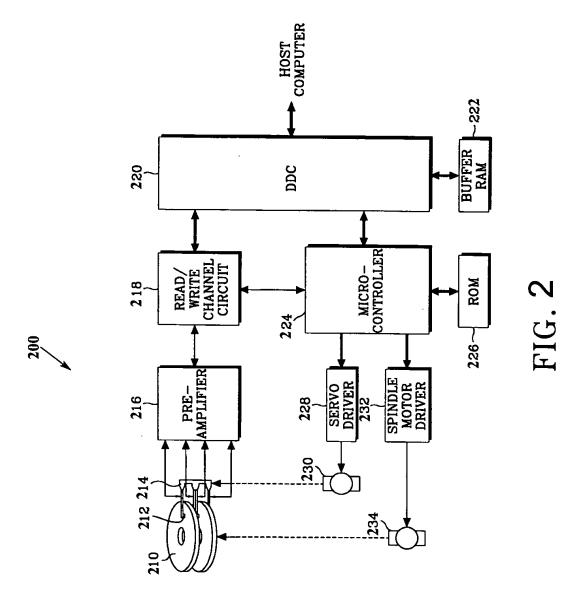
Fig. 1

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Fig. 3

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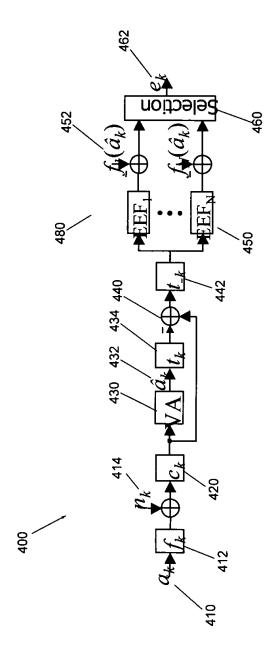


Fig. 4

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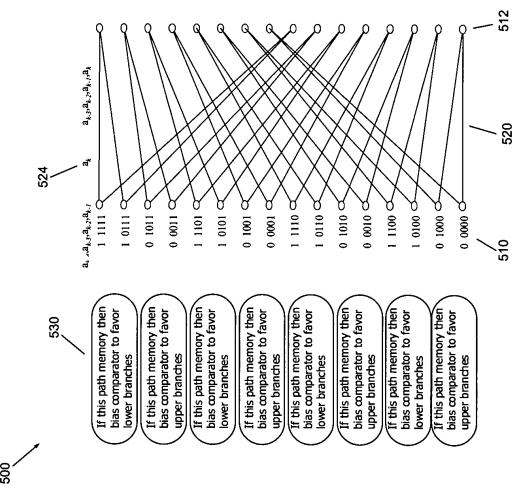
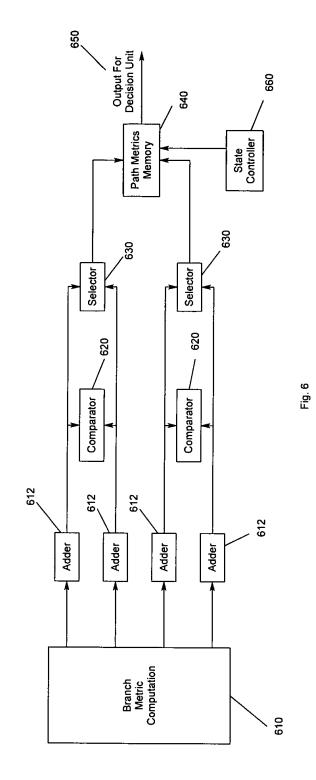


Fig. 5

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ak.3,ak.2,ak.1,ak 724 ส้ 11 0011 Q 10 1011 Q 01 0111 Q ∞ 1101 Q 01 0101 G 10 1001 a 00 1110 G 11 000 G 01 0110 ¤ 01 1010 a 11 0010 d 90 II 00 d ak-4, ak-3, ak-2, ak-1 00 1111 DEPENDENT DETECTION IN A DATA READ CHANNEL If this path memory then If this path memory then 730 If this path memory then bias comparator to favor Title: APPARATUS FOR PROVIDING DATA Docket: HSJ920030151US1/HITG.047PA upper branches upper branches upper branches lower branches lower branches lower branches Applicants: Cideciyan, et al. ak-3,ak-2,ak-1,ak Sheet 7 of 8 S 1101 00 10 1101 Q ak-4, ak-3, ak-2, ak-1 11 0111 Q 11 00 10 م 11 0101 A <u>න 1001 ශ</u> 01 0001 A 10 1110 a 00 1010 G 01 0010 A 10 1100 Q 11 0110 0 10 1111 If this path memory then bias comparator to favor upper branches upper branches upper branches lower branches lower branches lower branches 730 700 732-

734

Fig. 7

720

710

720

bias comparator to favor

lower branches

11 <u>01</u>00 Q 90 1000 A o1 0000 α

If this path memory then

lower branches

bias comparator to favor

upper branches

11 0000 d

If this path memory then

bias comparator to favor

upper branches

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800

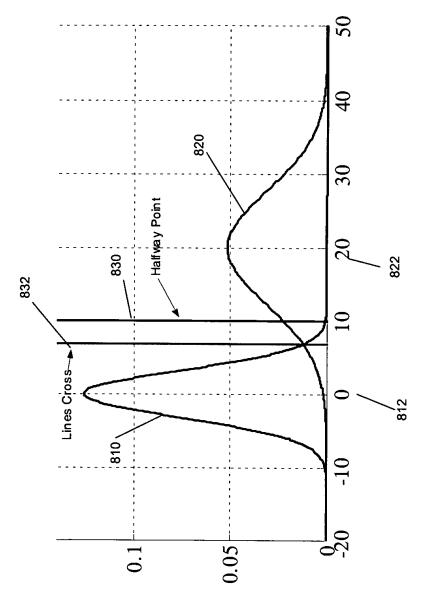


Fig. 8